



# Wolf Creek Dam Weekly Update

US Army Corps of Engineers  
Nashville District

5 December 2007

## Construction Report

**Foundation Grouting.** To date, all 50 holes in the gallery have been drilled and grouted with a total of over 4447 gallons of grout. Sonic drilling and casing continued, with a total of 714 holes in Overburden. Two more sonic drills were mobilized to give the contractor more embankment drilling capacity. This brings the total number of sonic drills up to five; four on production drilling and one on exploratory work. Rock coring and drilling on the work platform continued this week, as well as pressure washing and grouting operations. Most primary and secondary holes have been grouted in Critical Areas #1 and #2. ACT/Boart Longyear completed the five exploratory holes in Critical Area #1, as well as 4 of the 15 exploratory alluvium holes. There is a total of over 301,900 gallons of grout in 384 holes along the embankment. To date, over 309,927 gallons of grout have been pumped into the foundation.

**Resident Office.** The Contractor worked on "punch-list" items. The fencing contractor is continuing fence installation.



Grouting work platform

## This Week's Activities

- Continue sonic drilling and installation of PVC casing
- Continue rock coring and rock production drilling
- Continue pressure testing and grouting
- Continue fence installation at Resident Office

## Water Management Report

Lake Cumberland elevation on 12/04/07 was 680.57. Rainfall events continued in the Lake Cumberland basin producing some slight runoff. The orifice gate is still providing 260 cfs continuous flow. Two one hour pulses of full sluice releases supplement the continuous flow for a daily average of 400 cfs. There is no significant rain in forecasted for the Lake Cumberland basin in the next five days.

## Lake Cumberland Elevation

**680.57**

Time: 0600

05 Dec 2007

